



Timken BEARINGS INDUSTRY



90,000 mm x 190,000 mm x 43,000 mm NTN
7318BG angular contact ball bearings

Bearing No. 7318BG

7318BG Bearing 2D drawings and 3D CAD models

Size	90x190x43 mm
Bore Diameter	90,000 mm
Outer Diameter	190,000 mm
Width	43,000 mm
d	90,000 mm
D	190,000 mm
B	43,000 mm
C	43,000 mm
a	80.5 mm
Contact angle	40 °
rs min	3 mm
r1s min	1.1 mm
Radial clearance class	CN
Mass	5.16 kg
Dynamic load, C	156 kN
Static load, C0	135 kN
Fatigue limit load, Cu	5.2 kN
Nlim (oil)	4,500 rpm
Nlim (grease)	3,400 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	4.28 Hz



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Characteristic outer ring frequency, BPF0	4.96 Hz
Characteristic inner ring frequency, BPF1	7.04 Hz
da min	104 mm
db min	97 mm
Da max	176 mm
Db max	183 mm
r1a max	1 mm
ra max	2.5 mm
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	5.11
EAN	4547359452983
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Steel
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	90MM Bore; 190MM Outside Diameter; 43MM



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	Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	7318BG
Weight / LBS	11.249
Width	1.693 Inch 43 Millimeter
Bore	3.543 Inch 90 Millimeter
Outside Diameter	7.48 Inch 190 Millimeter
bore diameter:	90 mm
radial static load capacity:	135000 N
outside diameter:	190 mm
operating temperature range:	-40 to 120 ° C
overall width:	43 mm
cage material:	Steel
contact angle:	40 °
outer ring width:	43 mm
row type & fill slot:	Single-Row Non-Fill Slot
maximum rpm:	4500 rpm
internal clearance:	C0
finish/coating:	Uncoated
bore type:	Round
precision rating:	ISO Class 0
closure type:	Open



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fillet radius:	3 mm
snap ring included:	Without Snap Ring
series:	73B
bearing material:	High Carbon Chrome Steel
weight:	5.090 kg
radial dynamic load capacity:	156000 N
manufacturer product page:	Click here